

## MEDSI Engineering School

13<sup>th</sup> to 17<sup>th</sup> May 2024  
Hamburg, Germany



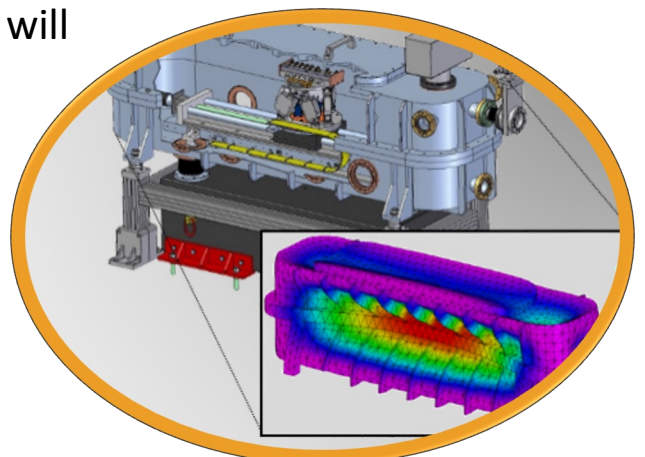
# MEDSI Early Career Engineering School 2024

DESY Deutsches Elektronen Synchrotron and European XFEL  
Hamburg, Germany

**Monday, 13<sup>th</sup> May to Friday, 17<sup>th</sup> May 2024**

This school, organized within the framework of the international conference series on Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation (MEDSI), for young engineers and early career specialists is a training course for the mechanical design of synchrotron instrumentation. It will focus on the fundamentals that are important to learn about the special challenges of the technologies used in the facilities and instruments of X-ray science.

MEDSI School at European XFEL and DESY will address many of the technical issues that arise in the design, construction, and operation of technical systems of this type and is intended to provide the young specialists with the basics necessary to meet the increasing challenges of the future instruments.



Further info: [engineering-school-2024.desy.de](https://engineering-school-2024.desy.de)



## MEDSI – Engineering School

### Objectives of the school:

- Learn about major components in XFEL and synchrotron sources
- Introduction to important design parameters and engineering tools in development and design processes
- Gain a basic knowledge in x-ray optics and diagnostics
- Methods for determining and evaluating system requirements
- Presentation of new concepts and technologies for use in beamlines and experiments
- Providing special knowledge for the design of major beamline components by using examples
- Illustration of the benefits of system engineering and the challenges in improving the stability of systems

### Registration Fee: 800 €

The fee includes 5 days of lectures, visits to both facilities, 5 nights of accommodation in the guesthouse, social events and meals for the duration of the courses. **Registration opens in December 2023!**

### How to apply:

An application form and further details can be found online at:

[engineering-school-2024.desy.de](https://engineering-school-2024.desy.de)